

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P#

Luminaire Tested: **LD2B20D010 EU2B20WFL559040 2LBDSQLC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14810)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B20WFL559040 2LBDSQLC*MW
Description: 2000 Lumen, 2inch Portfolio LED Downlight
WIDE FLOOD OPTIC
LENSED SQUARE CAST TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1330.0 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

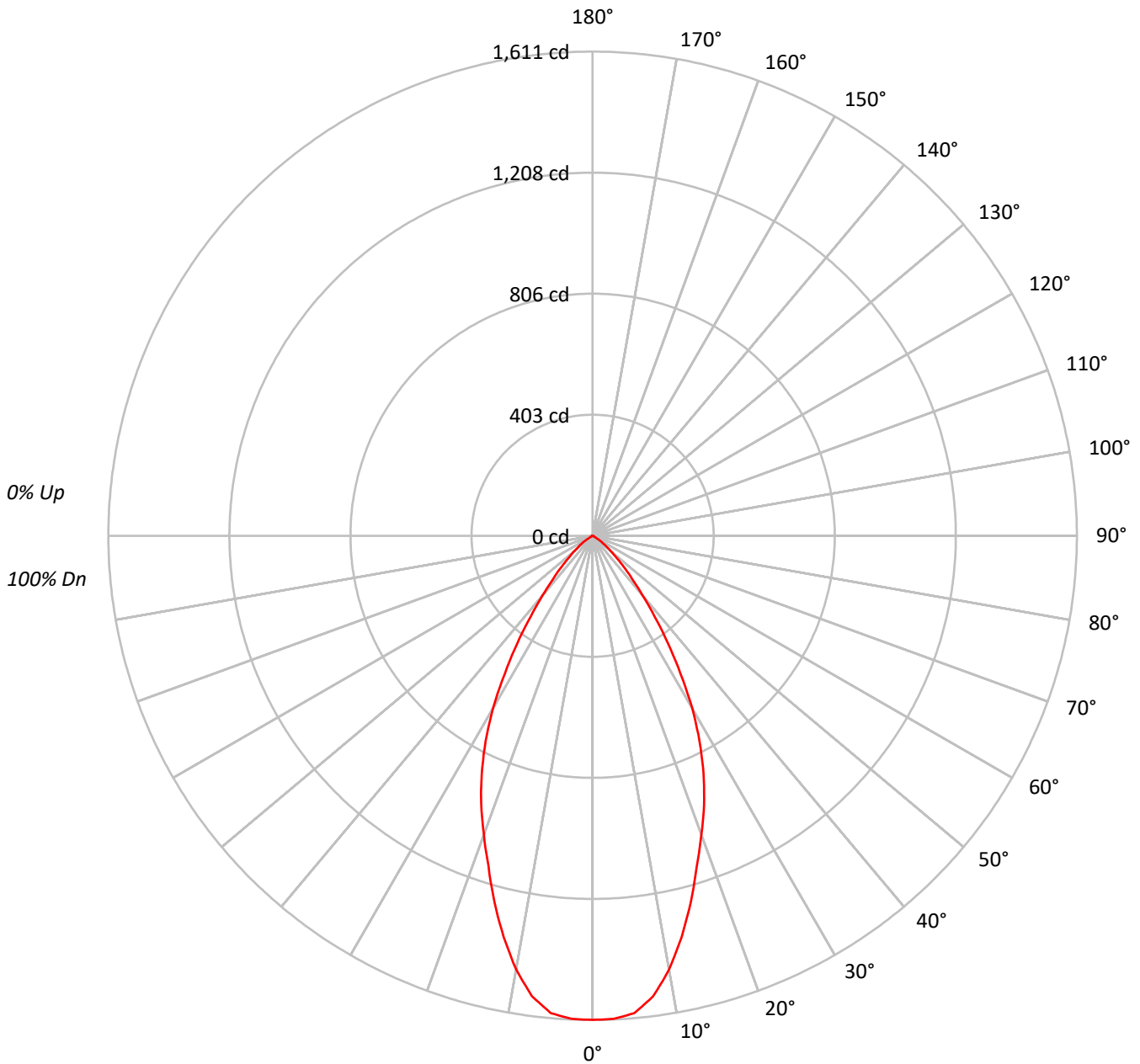
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20	
RC	80				70				50				30				10				0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	113	110	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93				93
2	108	102	98	95	105	101	97	94	98	94	92	95	92	90	92	90	88	86				86
3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	87	84	81	80				80
4	97	89	83	79	95	88	82	78	85	81	77	83	80	76	82	78	76	74				74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	69				69
6	87	78	71	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64				64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	62	69	64	61	60				60
8	78	69	62	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56				56
9	74	65	59	55	73	64	58	54	63	58	54	62	57	54	61	57	54	53				53
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	49				49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	623898
5°	619905
10°	576295
15°	505914
20°	436113
25°	372940
30°	295958
35°	206310
40°	130507
45°	79649
50°	47124
55°	25797
60°	5655
65°	5041
70°	4077
75°	5388
80°	4015
85°	8000



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.0	11.1
10°-20°	351.4	26.4
20°-30°	396.4	29.8
30°-40°	274.2	20.6
40°-50°	116.9	8.8
50°-60°	33.8	2.5
60°-70°	5.0	0.4
70°-80°	3.1	0.2
80°-90°	1.2	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	895.8	67.4
0°-40°	1170.0	88.0
0°-60°	1320.7	99.3
0°-90°	1330.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1330.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1611	
5°	1594	148
15°	1262	351
25°	873	396
35°	436	274
45°	145	117
55°	38	34
65°	6	5
75°	4	3
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1610.7
2.5°	1608.9
5°	1594.3
7.5°	1545.2
10°	1465.2
12.5°	1367.1
15°	1261.6
17.5°	1152.6
20°	1058.0
22.5°	968.9
25°	872.6
27.5°	770.8
30°	661.7
32.5°	543.6
35°	436.3
37.5°	338.1
40°	258.1
42.5°	194.5
45°	145.4
47.5°	105.4
50°	78.2
52.5°	56.4
55°	38.2
57.5°	16.4
60°	7.3
62.5°	5.5
65°	5.5
67.5°	3.6
70°	3.6
72.5°	3.6
75°	3.6
77.5°	1.8
80°	1.8
82.5°	1.8
85°	1.8
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)